

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Dave White
Great Meadows Board of Education
Hope Great Meadows Road
273 Route 46
Great Meadows, New Jersey 07838

Generated 6/6/2024 1:23:22 PM

JOB DESCRIPTION

Great Meadows Middle School - Lead/Copper
Triennial PB/CU (Begin 2024-June)

JOB NUMBER

630-87011-1

Eurofins Environment Testing Philadelphia, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Philadelphia, LLC Project Manager.

Authorization



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Authorized for release by
Erin Dougherty, Project Administrator
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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by Eurofins Philadelphia field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification # 02015.

VL = field staff performs tests under NJ State certification # 06005.

WG = field staff performs tests under NJ State certification # PA001, PA State certification # 48-01334.

H = field staff performs tests under NJ NELAP certification # PA093, PA NELAP certification # 46-05499.

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

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· All samples are collected as "grab" samples unless otherwise identified.

· Reported results related only to the samples as tested. Eurofins Philadelphia is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· Eurofins Philadelphia is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by Eurofins Philadelphia : Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Case Narrative

Client: Great Meadows Board of Education
Project: Great Meadows Middle School - Lead/Copper

Job ID: 630-87011-1

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Eurofins Environment Testing Philadelphia,

Job Narrative 630-87011-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/31/2024 2:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Metals

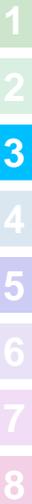
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Great Meadows Board of Education
Project/Site: Great Meadows Middle School - Lead/Copper

Job ID: 630-87011-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
630-87011-1	PBCU Middle School Office	Drinking Water	05/31/24 05:48	05/31/24 14:09
630-87011-2	PBCU Middle School Kitchen	Drinking Water	05/31/24 05:49	05/31/24 14:09
630-87011-3	PBCU Middle School Library	Drinking Water	05/31/24 05:53	05/31/24 14:09
630-87011-4	PBCU Middle School Nurse	Drinking Water	05/31/24 05:55	05/31/24 14:09
630-87011-5	PBCU Middle School Health Room	Drinking Water	05/31/24 05:57	05/31/24 14:09



Client Sample Results

Client: Great Meadows Board of Education
 Project/Site: Great Meadows Middle School - Lead/Copper

Job ID: 630-87011-1

Client Sample ID: PBCU Middle School Office

Lab Sample ID: 630-87011-1

Date Collected: 05/31/24 05:48

Matrix: Drinking Water

Date Received: 05/31/24 14:09

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.17		0.010	0.0023	mg/L		06/05/24 14:50	1	S4PD
Lead	ND		0.0010	0.00069	mg/L		06/05/24 14:50	1	S4PD

Client Sample ID: PBCU Middle School Kitchen

Lab Sample ID: 630-87011-2

Date Collected: 05/31/24 05:49

Matrix: Drinking Water

Date Received: 05/31/24 14:09

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.14		0.010	0.0023	mg/L		06/05/24 14:43	1	S4PD
Lead	ND		0.0010	0.00069	mg/L		06/05/24 14:43	1	S4PD

Client Sample ID: PBCU Middle School Library

Lab Sample ID: 630-87011-3

Date Collected: 05/31/24 05:53

Matrix: Drinking Water

Date Received: 05/31/24 14:09

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.12		0.010	0.0023	mg/L		06/05/24 14:47	1	S4PD
Lead	ND		0.0010	0.00069	mg/L		06/05/24 14:47	1	S4PD

Client Sample ID: PBCU Middle School Nurse

Lab Sample ID: 630-87011-4

Date Collected: 05/31/24 05:55

Matrix: Drinking Water

Date Received: 05/31/24 14:09

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.12		0.010	0.0023	mg/L		06/05/24 14:49	1	S4PD
Lead	ND		0.0010	0.00069	mg/L		06/05/24 14:49	1	S4PD

Client Sample ID: PBCU Middle School Health Room

Lab Sample ID: 630-87011-5

Date Collected: 05/31/24 05:57

Matrix: Drinking Water

Date Received: 05/31/24 14:09

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.15		0.010	0.0023	mg/L		06/05/24 14:45	1	S4PD
Lead	0.0018		0.0010	0.00069	mg/L		06/05/24 14:45	1	S4PD

Action Limit Summary

Client: Great Meadows Board of Education
Project/Site: Great Meadows Middle School - Lead/Copper

Job ID: 630-87011-1

Client Sample ID: PBCU Middle School Office

Lab Sample ID: 630-87011-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	NJ 1 MCL		RL	Method	Prep Type
				Limit				
Copper	0.17		mg/L	1		0.010	200.8	Total/NA
Lead	ND		mg/L	0.02		0.0010	200.8	Total/NA

Client Sample ID: PBCU Middle School Kitchen

Lab Sample ID: 630-87011-2

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	NJ 1 MCL		RL	Method	Prep Type
				Limit				
Copper	0.14		mg/L	1		0.010	200.8	Total/NA
Lead	ND		mg/L	0.02		0.0010	200.8	Total/NA

Client Sample ID: PBCU Middle School Library

Lab Sample ID: 630-87011-3

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	NJ 1 MCL		RL	Method	Prep Type
				Limit				
Copper	0.12		mg/L	1		0.010	200.8	Total/NA
Lead	ND		mg/L	0.02		0.0010	200.8	Total/NA

Client Sample ID: PBCU Middle School Nurse

Lab Sample ID: 630-87011-4

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	NJ 1 MCL		RL	Method	Prep Type
				Limit				
Copper	0.12		mg/L	1		0.010	200.8	Total/NA
Lead	ND		mg/L	0.02		0.0010	200.8	Total/NA

Client Sample ID: PBCU Middle School Health Room

Lab Sample ID: 630-87011-5

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	NJ 1 MCL		RL	Method	Prep Type
				Limit				
Copper	0.15		mg/L	1		0.010	200.8	Total/NA
Lead	0.0018		mg/L	0.02		0.0010	200.8	Total/NA

Accreditation/Certification and Definitions Summary

Client: Great Meadows Board of Education
 Project/Site: Great Meadows Middle School - Lead/Copper

Job ID: 630-87011-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-24

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
MRL	Method Reporting Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: Great Meadows Board of Education
Project/Site: Great Meadows Middle School - Lead/Copper

Job ID: 630-87011-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



